

## Dropwindsonde Scientist Log

<b>Storm:</b>	AL13 / JULIA	<b>Flight ID:</b>	20221007H1	<b>Mission ID:</b>	0513A	<b>Takeoff:</b>	1901Z	<b>Landing:</b>	0205Z
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<b>Dropsonde Scientist(s):</b>	Sellwood	<b>AVAPS Operator:</b>	Dykeman
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### Pre-flight

- ✓ Discuss the pattern with the Lead Project Scientist (LPS) and ensure that enough dropsondes are onboard.
- ✓ Complete the appropriate pre-flight set-up of your workstation and ASPEN (see [Dropsonde Processing Guide](#)).

### In-flight

- ✓ Ensure the Flight Director is aware of upcoming drops and whether a backup is requested in case of failure.
- ✓ Ensure the AVAPS operator has determined that the dropsonde is (or is not) transmitting a good signal.
- ✓ Prioritize processing of center drops and report MSLP and surface wind speed and direction to the Flight Director.
- ✓ Fill in the Dropwindsonde Scientist log as drops are released and processed.
- ✓ Copy completed ASPEN files (e.g., FRD, netCDF, Skew-t, WMO txt, BUFR) into the “FRD” folder on the workstation desktop for automated transmission to the ground for archival.

### Once “science is complete”...

- ✓ Make synoptic map plots in ASPEN and copy them to the “FRD” folder on the workstation desktop for automated transmission to the ground for archival.
- ✓ Ensure ASPEN files have been sent to the ground by locating and verifying all files in the “FLIGHTID” folder within the “FRD” folder on the workstation desktop.
- ✓ Archive ASPEN\_DATA and RAW\_DATA into a folder named with the FLIGHTID within the “Season Dropsonde Archive” folder on the workstation desktop, and upload the same directories into StormName/FLIGHTID/Dropsonde/ folder on Drive.
- ✓ Download this Dropwindsonde Scientist Log as “PDF” and upload completed PDF and Google Doc to the StormName/FLIGHTID/Dropsonde/ folder within the “Mission Reports” directory in the HFP Google Drive.

Drop #	Sonde ID	Time UTC	Lat (°N/S)	Lon (°E/W)	Sfc Pressure (mb)	Lowest Wind Direction/Speed (deg/kt)	Lowest Wind Height (m)	AXBT SST (°C)	Eye, Eyewall, Rainband, etc.	Ob #
1	213740916	220042	14.81	-75.15	1006	070/51	10		IP N	1
Comments: no manual qc										
2	2132225039	221247	13.95	-75.15	1004	060/	10		MID N	2
Comments: set end to 290.25 intermittent satellite drop outs										
3	213740670	221911	13.48	-75.15	1002	035/24	10		QP INNER N	3
Comments: set end to 302.00										
4	210710267	222550	12.98	-75.15	1001	025/31	10		CENTER	4
Comments: set end to 282.0 multiple short data dropouts										
5	213740914	222946	12.68	-75.15	1001	360/10	10		QP INNER S	5
Comments:										
6	213740776	223930	12.09	-74.97	1005	225/25	10		MID S	6
Comments:										
7	213810844	224807	11.5	74.98	1006	210/20	10		EP S	7
Comments:										
8	213741181	231100	12.25	-73.63	1007	075/21	10		EP SE	8
Comments:										
9	211450087	232214	12.68	-74.38	1005	170/28	12		MID SE	9
Comments: end 269.50										
10	213741181	232817	12.82	-74.83	1006	160/36	12		QP SE	10
Comments:										

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11	211450108	233340	12.82	-74.83	1001	070/12	12		CPA Center	11
Comments: end 281.0										
12	211450088	234024	13.05	75.75	1002	010/21	10		QP NW	12
Comments:										
13	210430062	234619	13.20	-76.17	1004	020/34	10		MID NW	13
Comments:										
14	211440473	235636	13.48	-76.92	1005	025/18	10		EP NW	14
Comments: Slightly shortened leg due to cellular convection near EP										
15	211450573	001554	12.28	-76.65	1005	325/14	10		EP SW	15
Comments: Short leg so EP is basically the Midpoint										
16	213740174	002438	12.64	-75.21	1003	335/15	10		QP SW	16
Comments: post splash data										
17	213741172	003156			1004	n/a			CENTER CPA	X
Comments: fast fall - backed up so not transmitted										
18	213451286	003328	12.51	-75.68	1003	180/27	10		CENTER BACKUP	17
19	213810857	003822	12.79	-75.52	1002	255/11	12		QP NE	18
20	210420746	004251	13.05	-75.36	1000	120/32	10		MID NE	19
Comments:										

